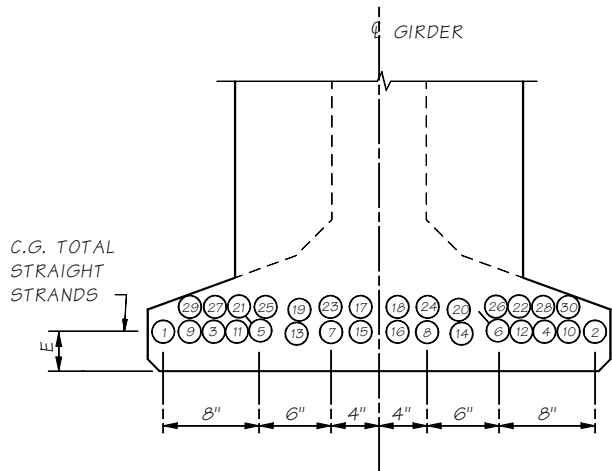
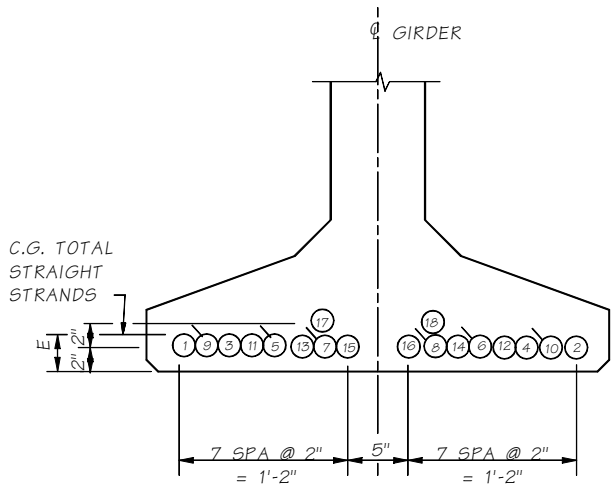


GIRDER PLAN



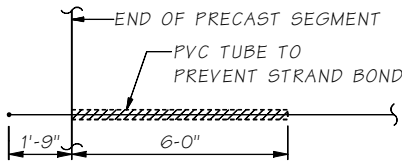
STRAND PATTERN
PRECAST END SEGMENTS

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1),(2),(3) , ETC.
⊙ INDICATES DEBOND STRAND FOR A TOTAL OF 6'-0" FROM END OF GIRDER.

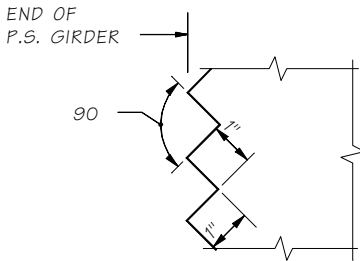


STRAND PATTERN
PRECAST MID-SEGMENT

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1),(2), (3) , ETC.
⊙ INDICATES DEBOND STRAND IF NEEDED FOR A TOTAL OF 6'-0" FROM END OF GIRDER.



STRAND DEBONDING DETAIL



SAWTEETH DETAIL

SAWTEETH ARE FULL WIDTH ~ USE SAWTEETH KEYS, IN AREA OUTSIDE OF PT. DUCTS AS SHOWN IN SECTION Ⓟ

| DIMENSION "A" AT Ⓞ BEARINGS = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BASED ON GIRDER DEFLECTION = "D" AT TIME OF SLAB POUR (120 DAYS) | | | | | | | | | | | |
|-------------------------------|--------|-------------------------------|---------------------|----------------------|-----------------------|---|----|----|----|-------------------------------------|----------------|---------------------|--------------------|-------------|------------|------------|---|----|----|-------------------------------------|----------------|---------------------|--------------------|---------------|------------|------------|---|----|----|----|-------------------------------------|----------|--|--------------------|----------|--|--|--|--|--|--|--|--|--|--|--|--|
| SPAN | GIRDER | MIN. CONC. COMPR. STRENGTH | | END SEGMENT 1 | | | | | | | | | | MID-SEGMENT | | | | | | | | | | END SEGMENT 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | END 1 TYPE | END 2 TYPE | L | θ1 | θ2 | P1 | PLAN LENGTH (ALONG GIRDER GRADE) | STRAIGHT | | C.G. STRANDS (IN.) | Ld (IN.) | END 1 TYPE | END 2 TYPE | L | θ1 | θ2 | PLAN LENGTH (ALONG GIRDER GRADE) | STRAIGHT | | C.G. STRANDS (IN.) | Ld (IN.) | END 1 TYPE | END 2 TYPE | L | θ1 | θ2 | P2 | PLAN LENGTH (ALONG GIRDER GRADE) | STRAIGHT | | C.G. STRANDS (IN.) | Ld (IN.) | | | | | | | | | | | | |
| | | NO. OF STRANDS | JACKING FORCE (LBS) | | | | | | | | NO. OF STRANDS | JACKING FORCE (LBS) | | | | | | | | | NO. OF STRANDS | JACKING FORCE (LBS) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | @ 28 DAYS F'C MPa | @ RELEASE F'CI MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BENDING DIAGRAM

≠ ≠ ≠ DESIGNER TO MODIFY FOR SPECIFIC PROJECT

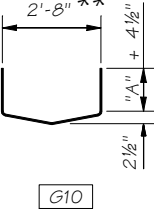
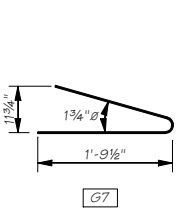
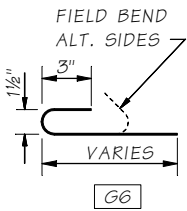
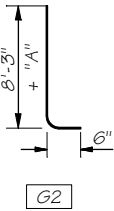
| MARK | LOCATION | SIZE |
|------|----------------------------|--------|
| G2 | GIRDER STIRRUPS | 5 |
| G3 | GIRDER TOP FLANGE | 5 STR. |
| G4 | GIRDER LONGIT. FULL LENGTH | 5 STR. |
| G5 | GIRDER LONGIT. | 7 STR. |
| G6 | GIRDER END TIES | W12 # |
| G7 | GIRDER BOTTOM FLANGE TIES | 3 |
| G9 | GIRDER LONGIT. FULL LENGTH | 4 STR. |
| G10 | GIRDER TOP FLANGE STIRRUPS | 4 |

ALL DIMENSIONS ARE OUT TO OUT

* = VARIES FOR SKEWED SPANS

NOTE:
FOR DIMENSION "A", SEE "GIRDER SCHEDULE"

#3 OR #4 MAY BE SUBSTITUTED FOR FOR W12, FIELD BENDING IS OPTIONAL.



| | | | | | | |
|-----------------------|---|------------|-------|--------------------|-----------|--------------|
| Bridge Design Engr. | M:\STANDARDS\Girders\PT Wide Flange\W95PTG5.MAN | REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| Supervisor | | 10 | WASH. | | | |
| Designed By | | JOB NUMBER | | | | |
| Checked By | | | | | | |
| Detailed By | | | | | | |
| Bridge Projects Engr. | | | | | | |
| Prelim. Plan By | | | | | | |
| Architect/Specialist | DATE | REVISION | BY | APPD | | |

BRIDGE
AND
STRUCTURES
OFFICE



STANDARD
PRESTRESSED CONCRETE GIRDERS

W95PTG SPLICED GIRDER
DETAILS 5 OF 5

BRIDGE
SHEET
NO.
SHEET
OF
SHEETS